

# A NATIONWIDE SERVICE

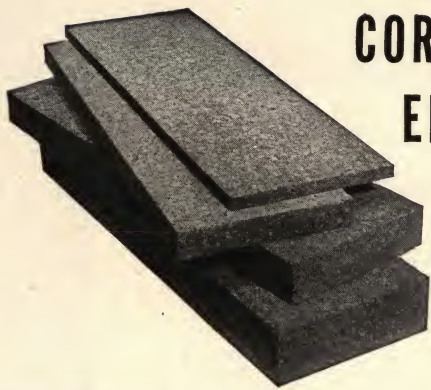
**Novoid and Stonewall** insulating products are made easily available in all sections of the country through a closely-knit organization of carefully selected distributors, located in all principal cities of the United States and in Honolulu, T. H. These are financially responsible business firms, possessing a trained personnel and respected for the high standards maintained.

No two insulation jobs are alike. Each is affected by special features which should be considered in the selection of materials and their method of erection. Although the Cork Import catalog is comprehensive, containing separate sections on the primary products, roof insulation, locker storage plants, erection, and although copies will be sent gladly to those interested, there is no substitute for the personalized consultation service offered by distributors, who are practical builders and who have had extensive insulation experience. Our Engineering Department and the distributor nearest to you are always ready to co-operate in recommending a solution for your low temperature insulation problem.

**CORK IMPORT  
CORPORATION**

39 PARK PLACE  
ENGLEWOOD,  
NEW JERSEY





## CORKBOARD ERECTION

THE INSULATION of refrigerated areas can be accomplished both efficiently and economically if sound engineering principles are followed in utilizing the unique features of cork insulation. To meet the wide range of conditions encountered, Novoid Corkboard Insulation is manufactured in several different forms, each designed for a particular purpose.

The severe conditions arising from cold temperatures require special "sundries" to be used with the cork insulation. In most cases, these are manufactured in our factories under laboratory control.

Seldom is it possible to present to the engineer or architect a specification which can be used successfully without adaptation to the particular conditions of the job under consideration. We recommend that full advantage be taken of the consultation service offered willingly and made readily available by our extensive organization. Our distributors, experienced in the requirements of low temperature insulation, know that Novoid Cork Products will retain indefinitely their original high efficiency, if certain fundamentals are incorporated in their erection:

1. By use of asphaltic materials, provide adequate protection against warm air infiltration and moisture.
2. Insist on straight cutting, neat fitting and proper handling to insure tight joints.
3. Eliminate voids or "dead" air spaces where condensation might develop.
4. Anchor door bucks of sufficient size securely to floor and ceiling.
5. Use only well seasoned lumber (spruce, fir or cypress, preferably treated).
6. Install doors of suitable size, type and construction.
7. Break joints on multiple course work.
8. Select sundry materials particularly adapted to service conditions.
9. Specify thicknesses of insulation corresponding to prevailing temperature differentials.
10. Erect materials under conditions which allow proper setting or drying.

## Product Names And Descriptions

**Novoid Standard Corkboard**—For the construction of refrigerated rooms, trucks, cars, cabinets, the insulation of houses and roofs. Standard thicknesses: 1, 1½, 2, 3, 4 and 6 in. Sheet sizes: 12, 18, 24 and 36 in. wide by 36 in. long.

**Novoid Mastic Finish (M.F.) Corkboard**—Has a heavy mastic coating on one side as a moisture-proof finish. Seam filler included in cost. Standard thicknesses. Sheet size: 12 x 36 in.

**Novoid Airtite Corkboard**—With a thin mastic coating on one or both sides, offers increased resistance to air infiltration and is recommended for hard service conditions. Standard thicknesses. Sheet size: 12 x 36 in.

**Novoid Hot Erection Asphalt**—This asphalt, with which corkboard is coated previous to erection, constitutes a protection against air infiltration and a bond to asphalt primed surfaces.

**Asphalt Saturated Membrane**—Incorporated in hot asphalt mopping for water-proofing floor insulation.

**Novoid Cold Erection Asphalt**—For use where hot asphalt is not practical. Containing a naphtha solvent, it cannot be recommended unreservedly where odor of solvent might affect delicate foodstuffs.

**Novoid Asphaltic Priming Paint**—Primes masonry surfaces previous to installation of corkboard in hot asphalt.

**Novoid Asphaltic (M.F.) Paint**—Of heavy consistency, gives a glossy black finish to mastic and emulsion finishes.

**Novoid White Sealer-Enamel**—An odorless finish for asphaltic surfaces, particularly suited for refrigerated rooms.

**Novoid C.B.H. Cement**—For erecting corkboard to wood, plaster, steel and masonry surfaces.

**Galvanized Wire Nails**—1¼, 2½, 3, 4, 5½, and 7½ in. lengths, having a special large head for nailing corkboard and mineral wool board to wood surfaces.

**Impregnated Hardwood Skewers**—4, 5½ and 7 in. lengths for securing additional layers of corkboard and mineral wool board to the first layer.

**Insulating Paper**—Saturated and coated with asphalt for covering wood surfaces previous to erection of insulation in hot asphalt.

**Stonewall (Light) Emulsion**—Containing no sand or fiber, is a base for mixing emulsion finishes on the job and serves general dampproofing needs.

**Stonewall (Heavy) Emulsion**—For air-proofing and water-proofing corkboard in car, truck, case and cabinet construction, where conditions are unfavorable to the use of asphalt.

**Asbestos Floats**—A special type free from talc, lime and salt, for mixing emulsion finishes on the job.

**Stonewall Fiber Emulsion Finish**—Is applied as a factory-mixed asphaltic plaster for protecting surface of insulation from moisture and warm air infiltration. Contains fiber but no sand, and never hardens. Recommended particularly for ceilings.

**Stonewall Sand Emulsion Finish**—Similar to the Fiber, except that sand has been added to provide a semi-hard surface, suitable for walls.

**Stonewall Weather Mastic**—Weatherproofs corkboard insulation exposed to the weather.

**Fine Regranulated Cork**—Passes an 8-mesh screen. It is a loose fill type of insulation for temporary installations and for tanks.



## AIR CONDITIONING

A properly designed air conditioning system will work at top efficiency when ducts are insulated with Novoid Corkboard and the piping covered with Novoid cork molded pipe covering and molded fitting jackets.

Corkboard is light in weight, easy to cut and handle, quickly secured with adhesive or with mechanical means. Where only a chilling function is performed, the steel ducts should first be primed with a proper asphaltic paint and then the corkboard erected in hot asphalt, unless metal screws or anchors are used.

For dual purpose systems, carrying warm air during the winter months, a waterproof adhesive is best for erecting the corkboard. To prevent vapor penetration toward the cold duct, the exposed corkboard should be covered with asphalt emulsion or a factory-applied mastic. Where appearance is a consideration, either of these finishes can be treated with Novoid White Sealer-Enamel.

### PRODUCTS

\* **Novoid Standard Corkboard**—For the conservation of refrigeration and elimination of condensation.

**Novoid Corkduc**—With a thin mastic coating on one side, will pre-

Corkboard insulated ducts before application of finish.



vent condensation, but will not conserve refrigeration to the extent that corkboard does. Sheet size: 1/2" thick x 12" wide x 36" long. **Novoid Asphaltic Steel Primer**—Prepares steel surfaces of duct for hot asphalt erection.

\* **Novoid Hot Erection Asphalt**

\* **Novoid CBH Cement**

\* **Stonewall Emulsion Finishes**

\* **Novoid White Sealer-Enamel**

\* See description on preceding page.

## PIPE AND TANK INSULATION

Novoid molded cork pipe covering and molded fitting jackets are manufactured in sectional form to assure quick, trouble-free installation. The sections are steam-baked, molded in the same manner as corkboard, then machined to fit accurately the pipe or fittings, given an asphaltic interior coating and an exterior heavy, ironed-on mastic coating.

As shipped from factory or warehouse, sundries in sufficient quantity and of the right type are included for proper erection. This procedure, developed from years of experience, should result, with reasonable care on the part of the erector, in a finished job characterized by:

1. Years of satisfactory service.
2. Minimum loss of refrigeration (high efficiency).
3. Integral structural strength (absence of sagging).
4. Custom-built for screwed, flanged, welding, or soldered fittings.
5. Uniform, pleasing appearance.
6. Low cost installation and operation.
7. Reduced maintenance and repairs.

Cylindrical tanks are best insulated by applying an envelope composed of tightly fitted and cemented corkboard lags and discs. Thicknesses up to and including 10 inches are furnished as a single layer. Corkboard collars cover protruding flanges. As in the case of pipe covering, the corkboard should be finished with Stonewall Emulsion and Asphaltic Paint to eliminate vapor penetration as much as possible.

Rectangular tanks can be insulated with corkboard and fine regranulated cork used separately or in combination.

### PRODUCTS

#### Novoid Cork Pipe Covering

**Light Duty Thickness**—for water or refrigerant temperatures 35° Fahrenheit or higher.

**Standard Thickness**—for refrigerant temperatures 0° to 35° Fahrenheit.

**Heavy Duty Thickness**—for refrigerant temperatures 25° to 0°.

**Wall Thicknesses** of 4", 5", 6", 7" and 8" for special industrial applications where exceptionally low temperatures and severe conditions are encountered.

#### Sundries

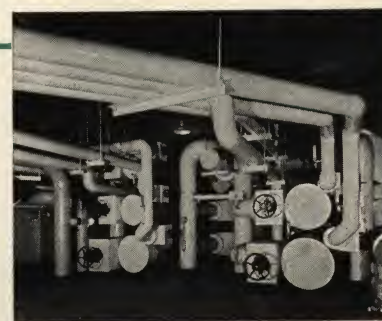
**Copper Clad Wire** for securing sections together.

**Brine Putty** for filling large voids.

**Waterproof Cement**—An asphaltic base adhesive with high bonding strength, primarily developed for cork pipe covering.

**Novoid Seam Filler**—Sundry for mastic finishes. A soft, asphaltic putty which dries on the surface but retains a plastic core to seal effectively under expansion and contraction.

A typical "Novoid" pipe covering job.



Wax and Dust—for filling small voids.

Acme Steel Bands.

Heavy steel bands with clips and bolts.

**Novoid Corkboard Lags and Discs** (Standard and Heavy Densities, mastic-coated on one or both sides).

\* **Stonewall Asphalt Emulsion Finishes.**

\* **Novoid Asphaltic (M.F.) Paint.**

\* **Novoid White Sealer-Enamel.**

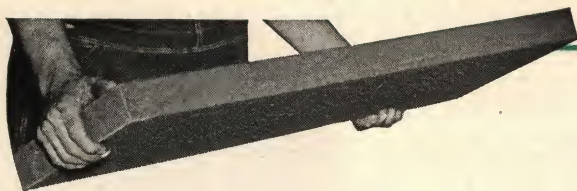
\* See description on preceding page.

The following table may be considered a conservative guide for normal conditions:

Temperature Difference	Room Construction†		Tanks and Ducts	
	Corkboard	Mineral Wool Board	Corkboard	Mineral Wool Board
20° - 30°	1 in.	1½ in.	1 in.	1 in.
30° - 40°	1½ in.	2 in.	1 in.	1½ in.
40° - 50°	2 in.	2½ in.	1½ in.	2 in.
50° - 60°	3 in.	4 in.	2 in.	3 in.
60° - 70°	4 in.	5 in.	3 in.	4 in.
70° - 80°	5 in.	6 in.	4 in.	5 in.
80° - 90°	6 in.	8 in.	5 in.	6 in.
90° - 100°	7 in.	9 in.	6 in.	7 in.
100° - 110°	8 in.	10 in.	7 in.	8 in.
110° - 130°	10 in.	....	8 in.	....
Over 130°	12 in. or more	....	10 in. or more	....

† For rooms operating with high humidities, add 2 in. to the insulation recommended for normal conditions.





## MINERAL WOOL BOARD

"Novoid Mineral Wool Board" is outstanding for its structural strength.

In 1940, when it could be foreseen that the demand for cork insulation needed for the war and reconversion programs would greatly exceed manufacturing capacities, our laboratories developed Novoid Mineral Wool Board. The results obtained in the field after extensive use, and the comments of those who have used competitive materials have been most complimentary. This justifies an unqualified recommendation for its use in the construction of refrigerated rooms and cabinets, insulation of air conditioning ducts and apparatus, and the insulation of rectangular and cylindrical tanks. In general, this

product is not recommended for roof insulation, but it can be so used with good results when certain precautions are taken.

### General Data

Sheet Size.....12 x 36 in.  
 Thicknesses .....1, 1½, 2, 3, and 4 in.  
 Conductivity .....Less than .33 BTU/inch thickness/square foot area/hour/degree Fahrenheit difference at a mean of 75 degrees.

Weight  
 Meets Federal Specifications HH-M-371 for Type 1 materials.

### Thickness Selection

\* See table on preceding page.



## ROOF INSULATION

The wide-spread use of corkboard roof insulation indicates a growing recognition on the part of engineers and architects that the reduction of winter heating costs, the increased comfort from repulsed summer heat, and the prevention of condensation are requisite to modern building construction. The incorporation of Novoid Standard Corkboard in plans and specifications will secure all three of these improvements without departing from established practices, and at a cost which will net an attractive return on the investment. The installation is comparatively simple and should be included in the roofer's contract. The corkboard—in sheets 12, 18, 24, or 36 in. wide x 36 in. long—is light and flexible but structurally strong, easily handled, resistant to moisture permeation and readily bonded to roofing and deck. Approved erection methods include:

### Beneath the Roof Deck

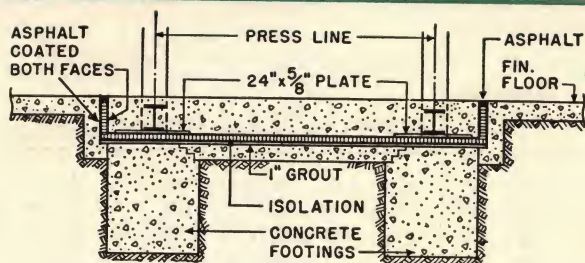
1. Laid in forms previous to pouring concrete deck.
2. Nailed to wood sleepers
  - a. Mechanically secured to concrete deck.
  - b. Incorporated in concrete deck.
3. Secured to ceiling with Novoid Waterproof Cement.
4. Nailed to wood stringers or between beams of wood deck.

### Upon the Roof

1. Concrete—laid in hot asphalt or hot pitch directly upon the deck or upon a first course of felt, after which remaining courses are mopped onto the corkboard.
2. Wood—laid in hot asphalt or hot pitch upon a first course of felt and nailed. Subsequent courses of roofing mopped onto the corkboard.

Roof Chart Available—To prevent condensation, the roof structure must provide sufficient resistance to the transmission of heat that the heated atmosphere will not strike a colder surface of the ceiling at dewpoint conditions. Novoid Standard Corkboard of the proper thickness will provide the required resistance.

The Cork Import distributor or our office will furnish upon request a chart by which can be determined the resistance necessary to prevent condensation under given conditions of temperature and relative humidity.



TYPICAL FLOATING FOUNDATION  
FOR HEAVY PRESSES

Novoid Machinery Isolation is manufactured in sheets 12 x 36 inches, in 1, 2, 3, and 4 in. thicknesses, and in three densities to cover a load range from 400 to 8500 pounds to the square foot.

## MACHINERY ISOLATION

To minimize the amount of vibration and accompanying noise which might otherwise be communicated to a building structure, there are several effective methods. Each has its advantages according to the type of machine, its location and the frequency of vibration. Again, we urge consultation with our organization to secure best results.

Density	Weight Lb/Bd Ft		Loading Lb/Sq Ft	
	Minimum	Maximum	Minimum	Maximum
Light .....	.55	.65	400	2000
Standard .....	1.0	1.4	1500	4000
Heavy .....	1.4	1.7	3500	8500

# CORK IMPORT CORPORATION

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ENGLEWOOD, NEW JERSEY

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